

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

Where claims have been amended and/or canceled, such amendments and/or cancellations are done without prejudice and/or waiver and/or disclaimer, and Assignee reserves the right to claim this subject matter in a continuing application:

1. (Currently Amended) A method ~~for automatically identifying a scan area by a scanner, said method comprising:~~

scanning an original comprising an one or more object objects;

generating a preview window of the scanned original, wherein the preview window includes a profile of at least one of said one or more objects, and wherein said profile defines a confined area of the preview window;

~~identifying said original to establish a location and a profile of said object in said original;~~

~~displaying a preview window, wherein every said object corresponds to a confined area in said preview window, wherein a location and a profile of said confined area is same as said location and said profile of said object corresponded;~~

~~receiving a framed area having said confined area selected~~ selection of at least one profile included in from said preview window by a user;

~~removing a portion of said framed area beyond said confined area to transform said framed area into said~~ determining a scan area based at least in part on said selection; and

scanning said scan area.

2. (Currently Amended) The method according to claim 1, ~~further comprising not displaying said preview window but~~ wherein said preview window comprises a display displaying an image of said one or more objects object.

3. (Currently Amended) The method according to claim 2, wherein ~~a location and a~~ the profile of said image object corresponds with the location of the object in said original ~~is a location and a profile of said framed area.~~

4. (Currently Amended) The method according to claim ~~13~~, wherein said profile and said location of said object are determined based at least in part on ~~according to information obtained in said step of from said scanning said original.~~

5. (Currently Amended) The method according to claim 4, wherein said information comprises ~~at least a plurality of~~ gray scale data.

6. (Currently Amended) The method according to claim 4, wherein said information ~~is transformed into a plurality of pixels, then~~ comprises pixel data, and said profile and said location of said object is determined ~~by comparing the differences between each said pixels~~ based at least in part on said pixel data.

7. (Currently Amended) The method according to claim 4, wherein ~~said profile and said location of said object is determined by gradually calculating from edges to center of said original~~ information comprises object edge data.

8. (Currently Amended) The method according to claim 4, ~~further comprising a step of receiving a selection message inputted by said user to decide how said profile and said location of said object are determined responsive to said selection message~~ wherein said selection is performed by a user.

9. (Currently Amended) The method according to claim 1, ~~further comprising said framed area is automatically confined in said confined area, and said user can't select any portion of said preview window beyond said confined area as a portion of said framed area~~ wherein said selection is performed automatically based at least in part on one or more parameters of the one or more profiles.

10. (Currently Amended) The method according to claim 1, ~~further comprising a step of receiving at least one parameter inputted by said user to scan said scan area responsive to~~ wherein said parameters comprise one or more of: size of the one or more profiles, shape of the one or more profiles, number of the one or more profiles, and location of the one or more profiles.

11. (Currently Amended) The method according to claim 1, ~~further comprising when there is a plurality of isolated objects in said original, there are a plurality of confined areas in said preview window, wherein any profile of said confined areas is one of said profiles of said objects, and any object corresponds to one of said confined areas~~ generating a profile of all the objects in the original.

12. (Currently Amended) The method according to claim 1, ~~further comprising when there is a plurality of isolated objects in the original, there is only one confined area in said preview window, wherein said profile of said confined area comprises every profile of said objects to confine every said object in said confined area~~ generating a single profile for a plurality of objects in the original.

13. (Currently Amended) A method ~~for selecting a scan area by a user, said method~~ comprising:

scanning an original comprising an one or more object objects;

generating a preview window of the scanned original, wherein the preview window includes a profile of at least one of said one or more objects, and wherein said profile defines a confined area of the preview window and corresponds to the location of a respective object of said original;

~~obtaining a preview window, wherein locations and profiles of confined areas are locations and profiles of said objects;~~

~~selecting a framed area including a specific confined area from said preview window, wherein a portion of said framed area beyond said specific confined area is automatically removed to transform said framed area into said~~ defining a scan area to include at least a portion of said one or more objects; and

scanning said scan area.

14. (Currently Amended) The method according to claim 13, wherein said profile and said location of said object are determined based at least in part on ~~according to information obtained in said step of from said scanning said original.~~

15. (Currently Amended) The method according to claim 14, ~~further comprising a step of at least one parameter inputted by said user to scan said scan area responsive to said parameters~~ wherein said information comprises gray scale data.

16. (Currently Amended) The method according to claim 13, ~~further comprising said framed area is automatically confined in said confined area, and said user can't select any portion of~~

~~said preview window beyond said confined area as a portion of said framed area wherein said information comprises pixel data, and said profile and said location of said object is determined based at least in part on said pixel data.~~

17. (Currently Amended) The method according to claim 13, ~~further comprising a step of receiving at least one parameter inputted by said user to scan said scan area responsive to said parameters~~ wherein said information comprises object edge data.

18. (Currently Amended) The method according to claim 13, ~~further comprising when there is a plurality of isolated objects in said original, there are a plurality of confined areas in said preview window, wherein any profile of said confined areas is one of said profiles of said objects, and any object corresponds to one of said confined areas~~ generating a single profile for a plurality of objects in the original.

19. (Currently Amended) The method according to claim 13, ~~further comprising when there is a plurality of isolated objects in the original, there is only one confined area in said preview window, wherein said profile of said confined area comprises every profile of said objects to confine every said object in said confined area~~ generating a profile of all the objects in the original.

20. (Currently Amended) A scanner ~~with a feature of automatically identifying a scan area, said scanner comprising:~~

- a scanning flatbed for supporting an original, said original including one or more objects;
- a scanning module for scanning said original to generate information;

~~a logic operation module for calculating~~ determining a location and a profile of an object in the original ~~by use of an algorithm responsive to~~ and generating a preview of the original including a profile of the object based at least in part on said information;

a display module for displaying a ~~the preview window corresponding to said original,~~ wherein ~~a confined area with a location and a profile in said preview window comprises a location and~~ including a profile of said object; and

an evaluating module for receiving a framed area selected from selection of at least a portion of said preview window ~~by said user, wherein a portion of said framed area beyond said confined area is automatically removed to generate said scan area.~~

21. (New) The scanner of claim 20, wherein said scanning module is further adapted to scan the portion of said object corresponding with said selection.

22. (New) The scanner of claim 20, wherein said selection is performed by a user.

23. (New) The scanner of claim 20, wherein the profile of said object corresponds with the location of the object within said original.

24. (New) The scanner of claim 20, wherein said profile and said location of said object are determined based at least in part on information obtained from said scanning.

25. (New) The scanner of claim 20, wherein said information comprises gray scale data.

26. (New) The scanner of claim 20, wherein said information comprises pixel data, and said profile and said location of said object is determined based at least in part on said pixel data.

27. (New) The scanner of claim 20, wherein said information comprises object edge data.